

Date	Eastern standard civil time		Heliographic			Area		Total area for each day
			Diff. long.	Longi- tude	Latitude	Spot	Group	
1931	<i>h</i>	<i>m</i>	°	°	°			
Dec. 1 (Mount Wilson).....	13	50	+47.0	311.5	+13.0		9	
			+67.0	331.5	+10.0		137	146
Dec. 2 (Naval Observatory).....	10	30	No spots					
Dec. 3 (Naval Observatory).....	10	33	No spots					
Dec. 4 (Mount Wilson).....	12	0	-63.0	162.9	+12.0		67	67
Dec. 5 (Naval Observatory).....	10	35	No spots					
Dec. 6 (Naval Observatory).....	10	23	-76.0	124.4	+12.0	31		31
Dec. 7 (Naval Observatory).....	10	36	-54.0	133.1	+11.5		170	170
Dec. 8 (Naval Observatory).....	12	47	-40.0	132.8	+11.5		278	278
Dec. 9 (Yerkes Observatory).....	15	9	-28.5	129.9	+10.4	5		
			-27.7	130.7	+11.7		138	
			-27.7	130.7	+10.6	17		
			-27.6	130.8	+10.0	17		
			-26.1	132.3	+10.0	3		
			-25.2	133.2	+13.8	5		
			-25.1	133.3	+13.0	3		
			-25.1	133.3	+12.2		14	
			-22.8	135.6	+12.5			
			-21.6	136.8	+11.9	107		
			-38.0	109.8	+4.0	210		519
Dec. 10 (Naval Observatory).....	10	17	-14.0	133.8	+11.0		62	
			-23.0	111.0	+4.0		340	402
Dec. 11 (Naval Observatory).....	11	20	-1.0	133.0	+11.0		154	
			-10.2	109.1	+4.3	7	401	555
Dec. 12 (Yerkes Observatory).....	14	18	-9.7	109.6	+5.3	5		
			-9.3	110.0	+4.1	2		
			-6.3	113.0	+4.3		48	
			-5.4	113.9	+4.7	22		
			+10.5	129.8	+10.2	88		
			+11.1	130.4	+11.0	2		
			+11.9	131.2	+11.2	2		
			+13.6	132.9	+11.7		169	
			+16.6	135.9	+12.2	37		
			+17.7	137.0	+12.4	37		419
Dec. 13 (Mount Wilson).....	11	30	+4.0	111.6	+5.0		41	
			+26.0	133.6	+12.0		298	339